Go To Table Of Contents

448

-000 thru -001

ENT Cart

MIDMARK®

Service and Parts Manual

Serial Number Prefixes:
AL

448 -000 thru -001

FOR USE BY MIDMARK TRAINED TECHNICIANS ONLY

Part No. 003-0589-00 Rev. E (1/01/04)

Go To Table Of Contents

TABLE OF CONTENTS

Section/Paragraph **Page**

IMPORTANT INSTRUCTIONS
General Safety Instructions ii
Warnings ii
Warranty Instructions ii

SECTION I GENERAL INFORMATION
Not Applicable

SECTION II TESTING AND TROUBLESHOOTING
Not Applicable

SECTION III SCHEDULED MAINTENANCE
Not Applicable

SECTION IV MAINTENANCE/SERVICE INSTRUCTIONS
Not Applicable

Section/Paragraph **Page**

SECTION V SCHEMATICS AND DIAGRAMS
Not Applicable

SECTION VI PARTS LIST
6.1 Introduction 6-1
6.2 Description of Columns 6-1
Cabinet Assembly 6-2
Control Panel Assembly 6-3
Pump Assembly 6-4
Procedure Accessories 6-5
448 Wiring Diagram 6-6

COMMENTS 7-1
FAX ORDERING FORM 7-2

(*) Indicates that there has been a serial number break for the illustration and that there are additional point page(s) following the original page.

© Midmark 1994 SF-1366

Printed in U.S.A.

IMPORTANT INSTRUCTIONS

General Safety Instructions

Safety First: The primary concern of Midmark Corporation is that this Medical Examination Table is maintained with the safety of the patient and staff in mind. To assure that services and repairs are completed safely and correctly, proceed as follows:

(1) Read this entire manual before performing any services or repairs on this unit.

(2) Be sure you understand the instructions contained in this manual before attempting to service or repair this unit.

Warnings

Throughout this manual are Note, Caution, and Danger paragraphs that call attention to particular procedures. These items are used as follows:

NOTE
A note is used to amplify an operating procedure, practice or condition.

CAUTION
A CAUTION is used for an operating procedure, practice, or condition which, if not correctly followed, could result in equipment damage.

DANGER
A DANGER is used for an operating procedure, practice, or condition which, if not correctly followed, could result in loss of life or serious personal injury.

Warranty Instructions

Refer to the Midmark “Limited Warranty” printed on the back cover of the Installation and Operation Manual for warranty information. Failure to follow the guidelines listed below will void the warranty and/or render the 448 Full Power Procedure Center unsafe for operation.

- In the event of a malfunction, do not attempt to operate the unit until necessary repairs have been made.
- Do not attempt to disassemble unit, replace malfunctioning or damaged components, or perform adjustments unless you are one of Midmark’s authorized service technicians.
- Do not substitute parts of another manufacturer when replacing inoperative or damaged components. Use only Midmark replacement parts.

© Midmark 1994 SF-1366

Printed in U.S.A.

SECTION VI
PARTS LIST

6.1 Introduction

The illustrated parts list provides information for identifying and ordering the parts necessary to maintain the unit in peak operating condition. Refer to paragraph 1.5 for parts ordering information.

The parts list also illustrates disassembly and assembly relationships of parts.

6.2 Description of Columns

The *Item* column of the parts list gives a component its own unique number. The same number is given to the component in the parts illustration. This allows a part number of a component to be found if the technician can visually spot the part on the illustration. The technician simply finds the component in question on the illustration and notes the item number of that component. Then, he finds that item number in the parts list. The row corresponding to the item number gives the technician the part number, a description of the component, and quantity of parts per subassembly. Also, if a part number is known, the location of that component can be determined by looking for the item number of the component on the illustration.

The *Part No.* column lists the MIDMARK part number for that component.

The *Description* column provides a physical description of the component.

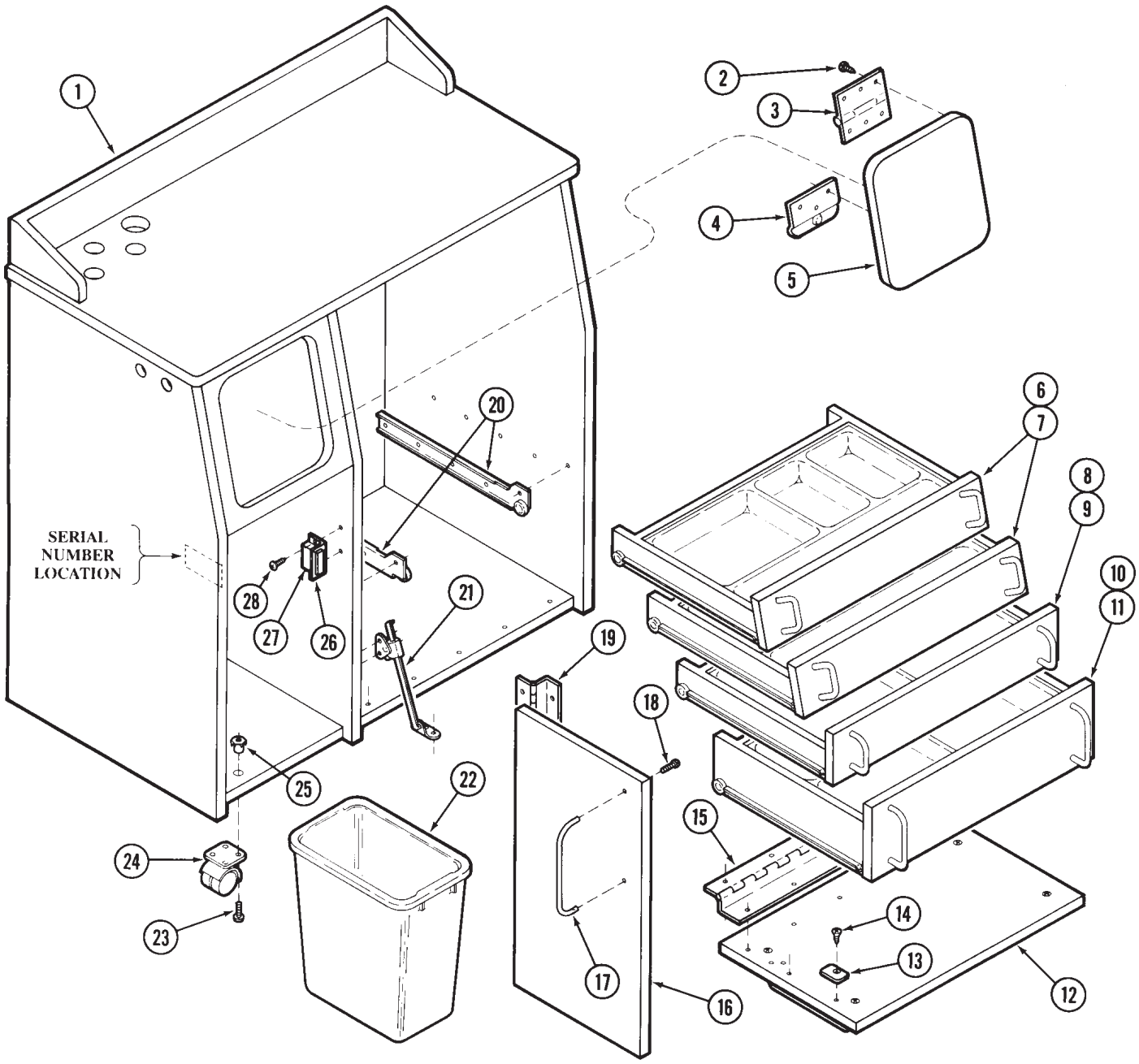
The *Qty.* column lists the number of units of a particular component that is required for the subassembly. The letters “AR” denote “as required” when quantities of a particular component cannot be determined, such as: adhesive.

Bullets { • } in the *Part No.* column and the *Description* column show the indenture level of a component. If a component does not have a bullet, it is a main component of that illustration. If a component has a bullet, it is a subcomponent of the next component listed higher in the parts list than itself that does not have a bullet. Likewise, if a component has two bullets, it is a subcomponent of the next component listed higher in the parts list than itself that has only one bullet.

© Midmark 1993 SF-1366

Printed in U.S.A.

Cabinet Assembly



MA2027

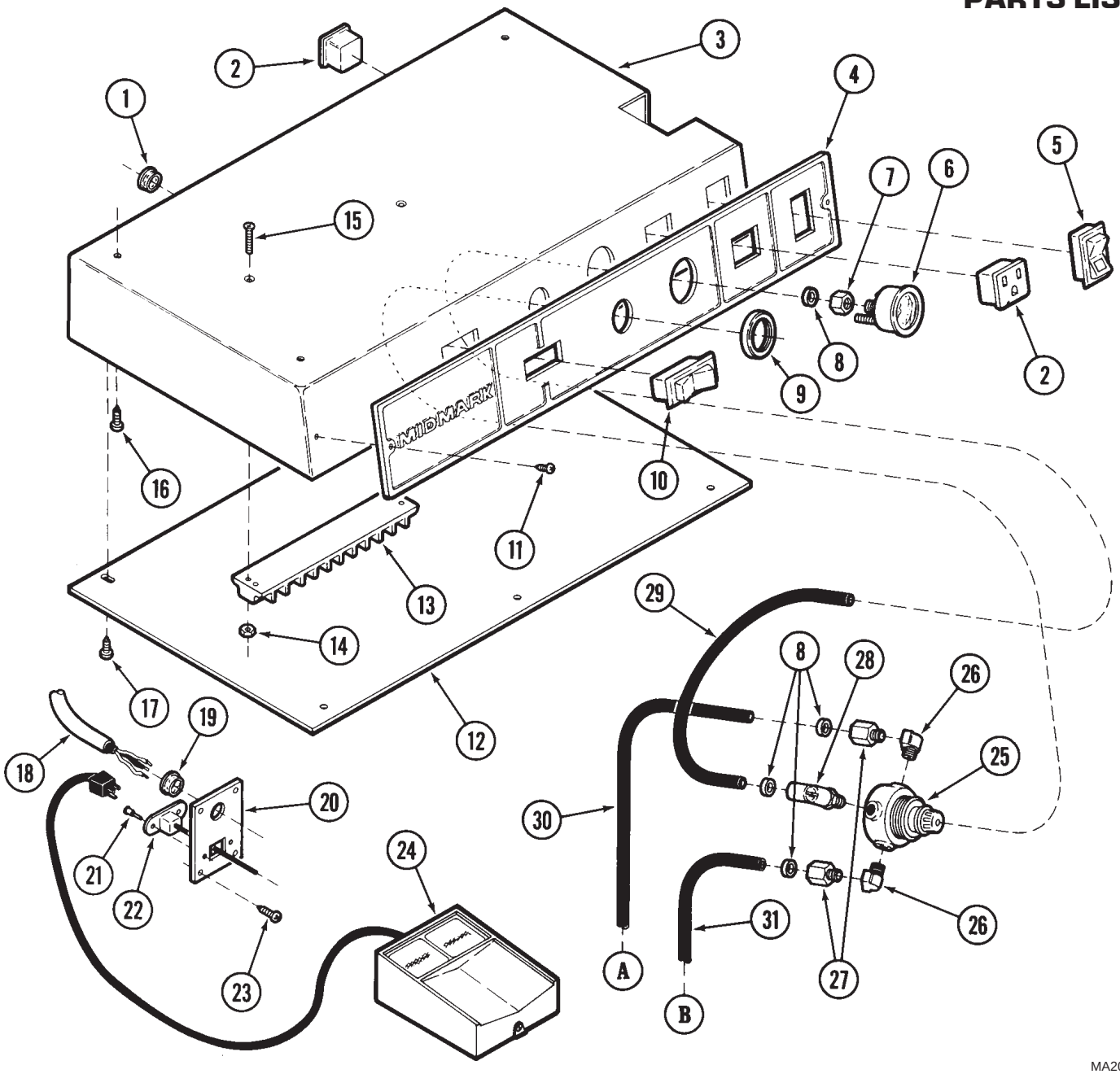
Item	Part No.	Description	Qty.
1		448 Cabinet Assembly	1
2	040-0010-48	Screw	9
3	016-0013-10	Spring Hinge	1
4	050-1642-01	Lid Stop Bracket	1
5	055-3732-00	Waste Door	1
6	029-0442-00	Top Drawer Assembly	2
7	053-0167-00	Top Drawer Insert	2
8	029-0480-00	Middle Drawer Assembly	1
9	053-0166-00	Middle Drawer Insert	1
10	029-0443-00	Bottom Drawer Assembly	1
11	053-0165-00	Bottom Drawer Insert	1
12	055-3766-00	Pump Door	1
13	016-0212-00	Steel Strike	2
14	040-0006-08	Screw	2
15	016-0209-00	Bottom Hinge	1
16	055-3738-00	Waste Receptacle Door	1
17	016-0202-00	6" Handle	4
18	040-0008-18	Screw	22
19	016-0208-00	Door Hinge	1
20	016-0224-00	Slide Pair	4
21	016-0210-00	Flap Stay	1
22	053-0058-00	Waste Container	1
23	040-0010-01	Screw	16
24	016-0204-00	Twin Wheel Caster	4
25	041-0013-00	Wood Insert	16
26	016-0092--00	Magnet	2
27	016-0211-00	Mounting Bracket	2
28	040-0006-35	Screw	4

Always Specify Model & Serial Number

© Midmark 1992 SF-1366

Printed in U.S.A.

Control Panel Assembly



MA2029

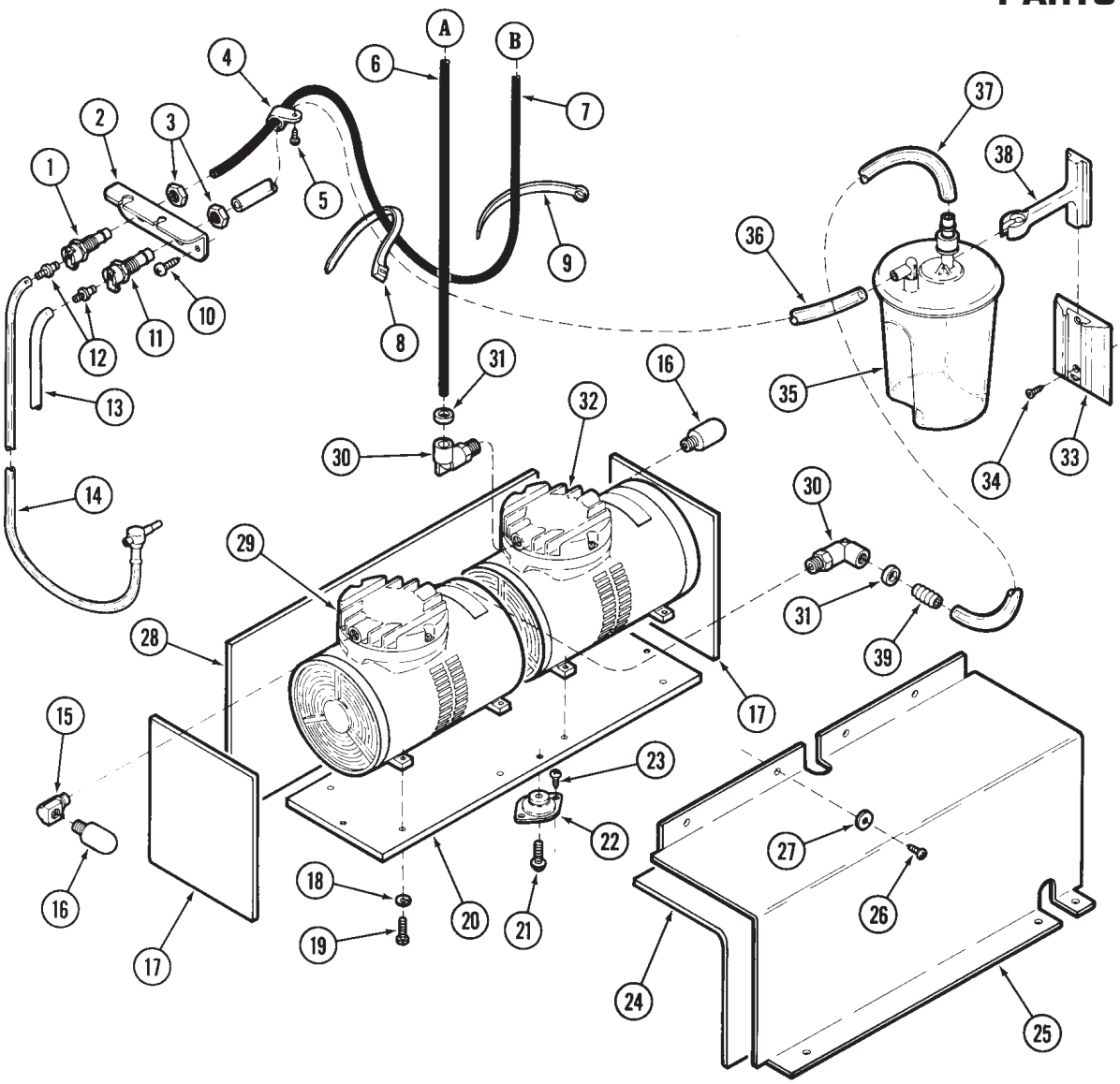
Item	Part No.	Description	Qty.
1	053-0068-10	Snap Bushing	5
2	015-0459-00	Receptacle	4
3	050-1037-00	Control Box	1
4	061-0148-00	Panel Face	1
5	015-0418-00	Main Power Switch	1
6	014-0161-00	Pressure Gauge	1
7	014-0162-00	Female Connector	1
8	014-0152-00	Manual Release Button	4
9	042-0053-00	Panel Mounting Nut	1
10	015-0418-01	Vacuum/Pressure Switch	1
11	040-0006-06	Screw	2
12	050-1035-00	Cover	1
13	015-0009-04	Terminal Block	1
14	041-0006-00	Nut	2
15	040-0006-28	Screw	2
16	040-0010-48	Screw	3
17	040-0010-00	Screw	5
18	015-0066-02	Cord Assembly	1
19	015-0002-01	Strain Relief Bushing	1
20	050-1034-00	Strain Relief Bracket	1
21	042-0010-00	Pop Rivet	2
22	015-0420-00	Plug Connector	1
23	040-0010-48	Screw	4
24	015-0417-00	Footswitch Assembly	1
25	014-0157-00	Regulator	1
26	014-0167-00	Male Elbow	2
27	014-0151-00	Male Connector	2
28	014-0156-00	Male Elbow	1
29	053-0178-00	Plastic Tubing (18")	AR
30	053-0178-00	Plastic Tubing (32")	AR
31	053-0178-00	Plastic Tubing (72")	AR

Always Specify Model & Serial Number

© Midmark 1992 SF-1366

Printed in U.S.A.

Pump Assembly



MA2028

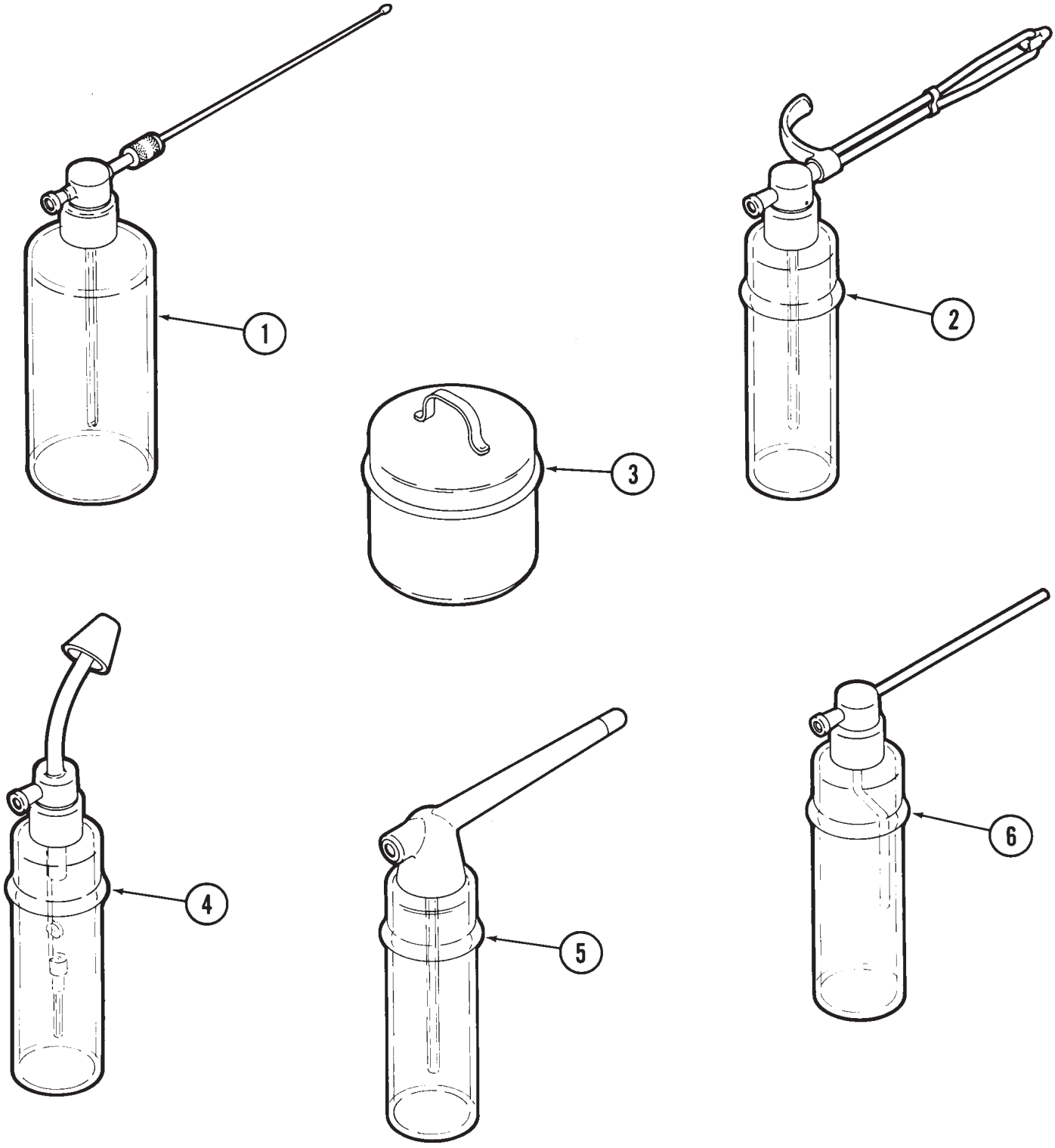
Item	Part No.	Description	Qty.
1	014-0163-01	Panel Mount Coupling (Includes item 3)	1
2	050-1036-00	Hose Clip	1
3		Nut	2
4	015-0014-00	Wire Clip	2
5	040-0010-48	Screw	2
6	053-0178-00	Plastic Tubing (32")	AR
7	053-0178-00	Plastic Tubing (72")	AR
8	015-0013-02	Cable Tie	5
9	015-0017-00	Cable Tie	6
10	040-0010-48	Screw	2
11	014-0163-02	Panel Mount Coupling (Includes item 3)	1
12	014-0164-00	Hose Barb Insert	2
13	053-0174-00	Latex Tubing (48")	AR
14	016-0205-00	Cut-Off Valve (With Tube)	1
15	014-0167-00	Male Elbow	1
16	053-0175-00	Exhaust Silencer	2
17	054-0085-01	Sound Damp Side	2
18	045-0001-19	Lockwasher	8
19	040-0008-10	Screw	8
20	050-1135-00	Pump Plate	1
21	040-0010-40	Screw	4
22	053-0208-00	Isolator	4
23	040-0008-01	Screw	8
24	054-0085-02	Sound Damp Motor Cover	1
25	050-1130-00	Motor Cover	1
26	040-0006-00	Screw	7
27	045-0001-39	Washer	7
28	054-0085-03	Sound Damp Back	1
29	014-0159-00	Vacuum Pump	1
30	014-0156-01	Male Elbow	2
31	014-0152-00	Manual Release Button	2
32	014-0158-00	Compressor	1
33	053-0206-00	Wall Plate	1
34	040-0006-08	Screw	2
35	053-0205-00	Collection Bottle (w/Lid)	1
36	053-0174-01	Latex Tubing (74")	AR
37	053-0174-01	Latex Tubing (30")	AR
38	053-0207-00	Bottle Holder	1
39	014-0153-00	Barb Connector	1

Always Specify Model & Serial Number

© Midmark 1992 SF-1366

Printed in U.S.A.

Procedure Accessories



MA2026

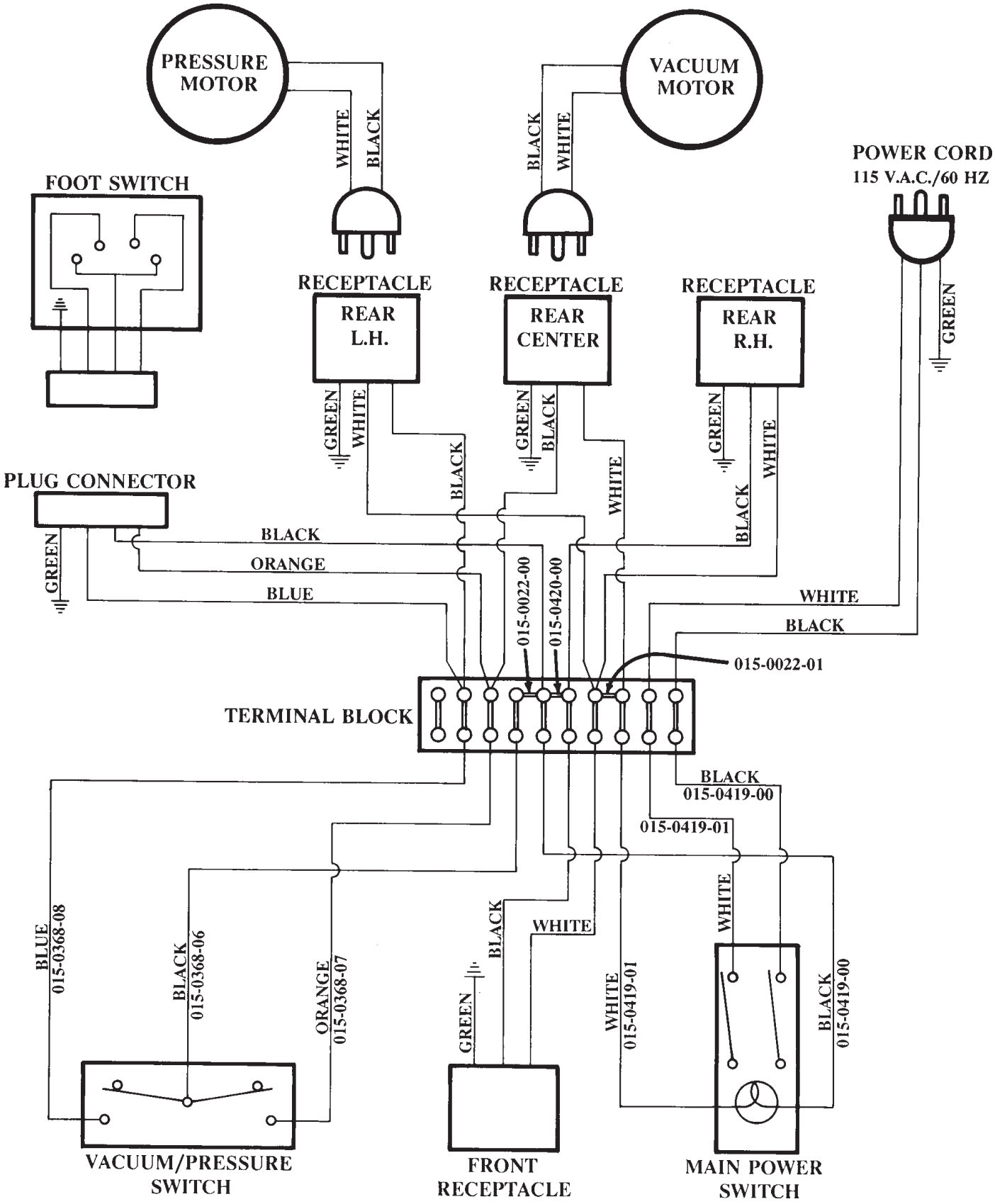
Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	053-0177-03	Syringe - Model 177	1	4	053-0177-04	Nebulizer - Model 180	1
2	053-0177-00	Atomizer - Model 163	1	5	053-0177-01	Plastic Atomizer - Model 286	1
3	016-0206-00	Ointment Jar	2	6	053-0177-02	Powder Blower - Model 175	1

Always Specify Model & Serial Number

© Midmark 1992 SF-1366

Printed in U.S.A.

448 Wiring Diagram



MA2030

© Midmark 1992 SF-1366

Printed in U.S.A.

Return To Table Of Contents

COMMENTS

The Technical Publications Department of Midmark Corporation takes pride in its publications. We are sure that our manuals will fill all of your needs when you are performing scheduled maintenance, servicing, or repairs on a Midmark product.

However, if you find any errors or feel that there should be a change, addition, or deletion to a manual, please let us know!

Page(s) and Paragraph(s) Needing Changed:

Description of Error or Desired Change:

Please fax or mail a copy of this completed comment sheet to:

Midmark Corporation
ATTN: Technical Publications Department
60 Vista Drive
Versailles, Ohio 45380
Fax: (937) 526-5542

© Midmark Corporation 2000 SF-1621

Printed in U.S.A.

Return To Table Of Contents

FAX ORDERING FORM

(SERVICE PARTS ONLY)

NOTES:

- **ALL BLOCKED AREAS MUST BE COMPLETED.**
- **USE FOR NON-WARRANTY FAX ORDERS ONLY. WARRANTY ORDERS MUST BE TELEPHONED IN (1-800-MIDMARK).**

ATTENTION: SERVICE DEPARTMENT FAX#: 877-249-1793

ACCT #: _____ **P.O. #:** _____ **DATE:** _____

NAME: _____ **SHIP TO:** _____

ADDRESS: _____

CITY, ST.: _____

CONTACT: _____

PHONE: _____

☐ **NON-EMERGENCY ORDER - TO SHIP WITHIN 72 HOURS IF PART(S) IN STOCK.**

☐ **EMERGENCY ORDER - TO SHIP WITHIN 24 HOURS IF PART(S) IN STOCK (IF ORDER IS RECEIVED BEFORE 1:30 P.M. E.S.T).**

SEND NOTIFICATION IF PARTS ARE NOT AVAILABLE TO SHIP WITHIN 24 HOURS VIA E-MAIL OR FAX TO: _____

METHOD OF SHIPMENT **OTHER** _____

UPS	FED EX
☐ NEXT DAY A.M.	☐ NEXT DAY A.M.
☐ NEXT DAY P.M.	☐ NEXT DAY P.M.
☐ 2ND DAY	☐ 2ND DAY
☐ GROUND	☐ ECONOMY

QTY.	PART #	DESCRIPTION (SPECIFY COLOR OF ITEM IF APPLICABLE)	COLOR CODE	PRICE/PER

Return To Table Of Contents

Return To Table Of Contents

Midmark Corporation
60 Vista Drive
P.O. Box 286
Versailles, Ohio 45380-0286
937-526-3662
Fax 937-526-5542
midmark.com

Because we care.

Subject To Change Without Notice

© Midmark Corporation - 2003

Printed in U.S.A.